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PATENT ABSTRACTS OF JAPAN

(11)Publication number : **09-158994**
 (43)Date of publication of application : **17.06.1997**

(51)Int.Cl.

F16H 1/28
H02K 7/116
H02K 21/24

(21)Application number : **07-346439**

(71) **YASKAWA ELECTRIC CORP**
 Applicant :

(22)Date of filing : **11.12.1995**

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KABASHIMA TAKEFUMI

(54) ELECTROMAGNETIC ACTUATOR

(57)Abstract:

PROBLEM TO BE SOLVED: To simplify a structure and to obtain stable torque.

SOLUTION: An electromagnetic actuator is constituted by providing a fixed internal gear 6 fixed to a fixed member 1, rotary internal gear 7 with a number of teeth slightly different from the fixed internal gear 6, external gear 2 meshed with both the fixed/rotary internal gears 6, 7, stator 3 provided in the fixed member 1 and a rotor provided in the external gear 2 to be opposed to the stator 3 through a cavity. Here, the external gear 2 is fixed to a rotary shaft 21 rotatably supported to the fixed member 1, further so as to mesh with both the fixed/rotary internal gears 6, 7 through a plurality of planet gears 5.



